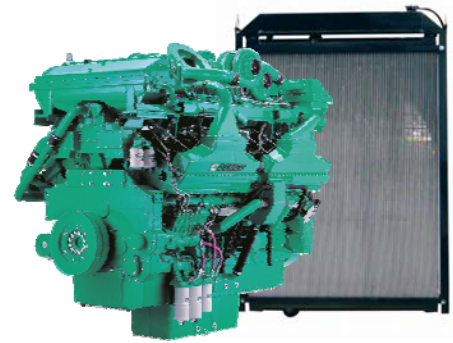


QSK60-G14

Emissions Compliance:
EPA NSPS Stationary Emergency Tier 2



> Specification sheet

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Description

The QSK60 is a V 16 cylinder engine with a 60 litre displacement. This Quantum series utilizes sophisticated electronics and premium engineering to provide outstanding performance levels, reliability and versatility for Standby, Prime and Continuous Power applications.



This engine has been built to comply with CE certification.



This engine has been designed in facilities certified to ISO9001 and manufactured in facilities certified to ISO9001 or ISO9002.

Features

High pressure fuel pump, Modular Common Rail fuel System (MCRS) and state of the art integrated electronic control system provide superior performance, efficiency and diagnostics. The electronic fuel pumps deliver up to 1600 bar injection pressure and eliminate mechanical linkage adjustments. The new MCRS utilizes an electric priming pump which is integrated with the off-engine stage-1 fuel filter head and is controlled and powered by the engine ECM. The stage-2 fuel filters are mounted on-engine

CTT (Cummins Turbo Technologies) HX82/HX83 turbo-charging utilizes exhaust energy with greater efficiency for improved emissions and fuel consumption.

Low Temperature After-cooling - Two-pump Two-loop (2P2L)

Ferrous Cast Ductile Iron (FCD) Pistons - High strength design delivers superior durability.

CoolPac Integrated Design - Products are supplied complete with cooling package and air cleaner kit for a complete power package. Each component has been specifically developed and rigorously tested for G-Drive products, ensuring high performance, durability and reliability.

Service and Support - G-Drive products are backed by an uncompromising level of technical support and after sales service, delivered through a world class service network.

1800 rpm (60 Hz Ratings)

Gross Engine Output			Net Engine Output			Typical Generator Set Output					
Standby	Prime	Base	Standby	Prime	Base	Standby (ESP)		Prime (PRP)		Base (COP)	
kWm/BHP			kWm/BHP			kWe	kVA	kWe	kVA	kWe	kVA
2447/3280	1981/2655	N/A	2085/2796	1942/2604	N/A	2200	2750	1800	2250	N/A	N/A

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General Engine Data

Type	4 cycle, Turbocharged, After-cooled		
Bore mm	159		
Stroke mm	190		
Displacement Litre	60.2		
Cylinder Block	Cast iron, 16 cylinder		
Battery Charging Alternator	55A		
Starting Voltage	24V		
Fuel System	Direct injection Cummins MCRS		
Fuel Filter	Spin on fuel filters with water separator		
Lube Oil Filter Type(s)	Spin on full flow filter		
Lube Oil Capacity (l)	280		
Flywheel Dimensions	SAE 0		

Coolpac Performance Data

Cooling System Design	2 pump - 2 loop		
Coolant Ratio	50% ethylene glycol; 50% water		
Coolant Capacity (l)	535 (40°C Rad)	603 (50°C Rad)	
Limiting Ambient Temp (°C)**	40	50	
Fan Power (kWm)	46	66	
Cooling System Air Flow (m ³ /s)**	35	31	
Air Cleaner Type	Dry replaceable element with restriction indicator		

** @ 13 mm H₂O

Weight & Dimensions

Length	Width	Height	Weight (dry)	
mm	mm	mm	kg	
4893	2468	2943	10295	(40°C Rad)
5176	2468	3868	11010	(50°C Rad)

Fuel Consumption 1800 rpm (60 Hz)

%	kWm	BHP	L/ph	US gal/ph
Standby Power				
100	2447	3280	598	157.9
Prime Power				
100	1981	2655	485	128.1
75	1485	1991	398	105.1
50	990	1328	291	76.7
25	495	664	156	41.1
Continuous Power				
100	N/A	N/A	N/A	N/A

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Ratings Definitions

Emergency Standby Power (ESP):

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Limited-Time Running Power (LTP):

Applicable for supplying power to a constant electrical load for limited hours. Limited-Time Running Power (LTP) is in accordance with ISO 8528.

Prime Power (PRP):

Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Base Load (Continuous) Power (COP):

Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN6271 and BS 5514.

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